

What is claimed is:

1. An apparatus comprising:

- 2 a sleeve sized to receive a bar, the sleeve comprising a nub; and  
3 a movable assembly comprising a spindle and a bracket, the bracket sized to fit over  
4 either of the bar and the nub.

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1 2. The apparatus of claim 1, the movable assembly further comprising:

- 2 a drive axle coupled by way of gears to the spindle, the gears configured to amplify a  
3 torque applied to the drive axle and to apply the amplified torque to turn the spindle.

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1 3. The apparatus of claim 2 further comprising:

- 2 the movable assembly configured for mounting a power drill with a chuck of the power  
3 drill positioned to receive the drive axle.

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1 4. The apparatus of claim 1, the bar and the sleeve further comprising holes which when  
2 aligned may receive a pin to secure the bar within the sleeve.

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1 5. The apparatus of claim 1 in which the sleeve is sized to receive the bar of a standard  
2 trailer hitch.

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1 6. The apparatus of claim 4, the nub and the bracket further comprising holes which  
2 when aligned may receive a pin to secure the movable assembly to the nub.

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- 1 7. An apparatus comprising:  
2 a boom comprising at least one bar and sleeve; and  
3 a movable spindle;  
4 wherein the sleeve is adapted to receive an end of the bar, and both the sleeve and the bar  
5 are adapted to mount the movable spindle.

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- 1 8. The apparatus of claim 7 wherein the sleeve comprises a nub having a width  
2 substantially the same as the width of the bar, and wherein the movable spindle  
3 comprises a mount sized to receive a width of either of the bar and the nub.

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- 1 9. The apparatus of claim 7 wherein the movable spindle comprises a drive axle and  
2 gears to step up a torque applied to the drive axle to turn the spindle.

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- 1 10. The apparatus of claim 7 wherein the drive axle is adapted to receive the chuck of a  
2 power drill.

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- 1 11. An apparatus comprising:  
2 a sleeve sized to receive a bar, the sleeve comprising a nub;  
3 a movable gearbox assembly comprising a mount to receive a power drill and a bracket  
4 sized to fit over either of the bar and the nub;  
5 a mechanism to depress (the power switch) <sup>NA</sup> of the power drill when the power drill is  
6 mounted to the gearbox assembly; and

7 a foot pedal assembly to couple the power drill to a power source when the foot pedal is  
8 operated.

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1 12. The apparatus of claim 11 further comprising:  
2 a base assembly comprising a pivot for setting the angle of a boom, the boom comprising  
3 at least one bar and sleeve.

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5 13. An apparatus comprising:

6 a base assembly comprising a pivotable base bar;  
7 a boom comprising a sleeve to receive an end of the base bar at a first end and to receive  
8 an end of (the extension bar) at a second end, the sleeve comprising a nub having  
9 substantially the same width as the extension bar; and  
10 a movable spindle assembly adapted to mount over either the extension bar or the nub of  
11 the sleeve.

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1 14. The apparatus of claim 1 further comprising:  
2 a foot pedal which, when operated, provides power to a torque source to turn the spindle.

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1 15. The apparatus of claim 1 further comprising:  
2 a first pulley assembly coupled to the boom and a second pulley assembly coupled to the  
3 first pulley assembly, the first pulley assembly comprising a first pulley axle substantially  
4 orthogonal to a second pulley axle of the second pulley assembly.

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- 1    16. The apparatus of claim 3 further comprising:
    - 2    a bushing assembly comprising a bay; and
    - 3    a bushing having a lengthwise opening aligned with the bay.

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